

WHAT IS CLAIMED IS:

1. An ink jet recording element comprising a support having thereon a porous image-receiving layer comprising:

(a) particles having a mean particle size of from greater than 0.04 μm to about 5 μm ; and

(b) water insoluble, cationic, polymeric particles comprising at least about 20 mole percent of a cationic mordant moiety.

2. The recording element of Claim 1 wherein the weight ratio of (b) water insoluble, cationic, polymeric particles to (a) particles is from about 1:2 to about 1:10.

3. The recording element of Claim 1 wherein said porous image-receiving layer also contains a binder in an amount up to about 20 weight %.

4. The recording element of Claim 3 wherein said binder is a hydrophilic polymer.

5. The recording element of Claim 4 wherein said hydrophilic polymer is poly(vinyl alcohol), hydroxypropyl cellulose, hydroxypropyl methyl cellulose, gelatin, or a poly(alkylene oxide).

6. The recording element of Claim 1 wherein said (a) particles are inorganic.

7. The recording element of Claim 6 wherein said (a) particles are inorganic oxides.

8. The recording element of Claim 6 wherein said (a) particles are silica, alumina, boehmite or hydrated aluminum oxide.

9. The recording element of Claim 1 wherein said (a) particles are organic particles.

10. The recording element of Claim 1 wherein said (a) particles have a mean particle size of from about 0.05 μm to about 1 μm .

11. The recording element of Claim 1 wherein said (b) water insoluble, cationic, polymeric particles are in the form of a latex.

12. The recording element of Claim 1 wherein said (b) water insoluble, cationic, polymeric particles comprise a quaternary ammonium salt moiety.

13. The recording element of Claim 1 wherein said (b) water-insoluble, cationic, polymeric particles have a mean particle size of from about 10 to about 500 nm.

14. The recording element of Claim 1 wherein said (b) water insoluble, cationic, polymeric particles are in the form of a water dispersible polymer.

15. The recording element of Claim 1 wherein a base layer is present between said support and said image-receiving layer.

16. The recording element of Claim 15 wherein said base layer comprises silica, alumina, boehmite, hydrated aluminum oxide, titanium oxide, zirconium oxide, calcium carbonate, clay, magnesium carbonate or barium sulfate.

17. The recording element of Claim 15 wherein said base layer comprises at least about 50% by weight of particles.

18. The recording element of Claim 1 wherein said (b) water insoluble, cationic, polymeric particles comprise at least about 50 mole percent of a cationic mordant moiety.

18. The recording element of Claim 1 wherein said (b) water insoluble, cationic, polymeric particles comprise at least about 50 mole percent of a cationic mordant moiety.